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## NOTICE OF ALLOWANCE AND FEE(S) DUE

75405

7590

06/30/2008

CYPRESS/BLAKELY BLAKELY SOKOLOFF TAYLOR & ZAFMAN 1279 OAKMEAD PARKWAY SUNNYVALE, CA 94085-4040

EXAMINER				
HSU, AMY R				
ART UNIT	PAPER NUMBER			

2622 DATE MAILED: 06/30/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/752,131	01/06/2004	Hae-Seung Lee	7033C	3915

TITLE OF INVENTION: CMOS ACTIVE PIXEL WITH HARD AND SOFT RESET

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	09/30/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

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appropriate. All further indicated unless correct maintenance fee notification	correspondence including debelow or directed other trions.	ng the Patent, advance of nerwise in Block 1, by (a	rders and notification of a) specifying a new corr	maintenance fees espondence address	will be ; and/or	mailed to the current of (b) indicating a separ	correspondence address as ate "FEE ADDRESS" for
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CYPRESS/BLAKELY BLAKELY SOKOLOFF TAYLOR & ZAFMAN 1279 OAKMEAD PARKWAY			I h Sta ad tra	ereby certify that the Postal Service of the Mai	nis Fee(s with suf	of Maining of Transing of Transmits is being ficient postage for first ISSUE FEE address at 1) 273-2885, on the da	deposited with the United class mail in an envelope
SUNNYVALE,	CA 94085-4040		Г				(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
10/752,131	01/06/2004		Hae-Seung Lee			7033C	3915
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nonprovisional	NO	\$1440	\$300	\$0		\$1740	09/30/2008
EXAM	MINER	ART UNIT	CLASS-SUBCLASS				
HSU, A	AMY R	2622	348-241000				
CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.  3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON			(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
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Publication Fee (N	No small entity discount p		Payment by credit card. Form PTO-2038 is attached.				
Advance Order -	# of Copies		The Director is herel overpayment, to Dep	by authorized to cha	rge the i	required fee(s), any def	ciency, or credit any extra copy of this form).
5. Change in Entity Sta	,	· · · · · · · · · · · · · · · · · · ·	_				
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Authorized Signature				Date			
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CYPRESS/BLAKELY			HSU, A	AMY R
BLAKELY SOKOLOFF TAYLOR & ZAFMAN			ART UNIT	PAPER NUMBER
1279 OAKMEAD PARKWAY SUNNYVALE, CA 94085-4040			2622 DATE MAILED: 06/30/200	8

## **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 795 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 795 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/752,131	LEE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	AMY HSU	2622	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communications. This application is subjection	s application. If not included ation will be mailed in due course	
1. X This communication is responsive to arguments filed 2/19/	<u>′2008</u> .		
2. ☑ The allowed claim(s) is/are <u>1-21</u> .			
<ul> <li>3.</li></ul>		).	
2. Certified copies of the priority documents have	e been received in Application N	o	
3. Copies of the certified copies of the priority do	cuments have been received in	this national stage application fro	m the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.   A SUBSTITUTE OATH OR DECLARATION must be subm	MENT of this application.  itted. Note the attached EXAMIN	NER'S AMENDMENT or NOTICE	
INFORMAL PATENT APPLICATION (PTO-152) which give	es reason(s) why the oath or dec	claration is deficient.	
5. CORRECTED DRAWINGS ( as "replacement sheets") mus			
(a) ☐ including changes required by the Notice of Draftspers	•	TO-948) attached	
1)  hereto or 2)  to Paper No./Mail Date			
<ul><li>(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date</li></ul>	s Amendment / Comment or in t	ne Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			of
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT</li> </ol>			e
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Inform	al Patent Application	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Sumn	nary (PTO-413),	
3. ☑ Information Disclosure Statements (PTO/SB/08),	Paper No./Mai 7.	Date endment/Comment	
Paper No./Mail Date <u>2/28/2008</u>	<u></u>		
<ol> <li>Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ol>	8. ☐ Examiner's Star	ement of Reasons for Allowance	
	Supervisory Patent Ex	/Lin Ye/ aminer, Art Unit 2622	

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# Allowable Subject Matter

1. Claims 1-21 are allowed.

#### Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lee (US 6777660) teaches a CMOS image sensor array with a reset reference voltage applied to a second input of each amplifier to adjust negative feedback to adjust voltage at second node of each reset transistor.

Kozlowski et al. (US 6532040) teaches an imager pixel including photo detector and amplifier having a gain which is the inverse of the ratio of the first and second capacitance.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AMY HSU whose telephone number is (571)270-3012. The examiner can normally be reached on M-F 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lin Ye can be reached on 571-272-7372. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2622

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Amy Hsu Examiner Art Unit 2622

ARH 6/18/08

/Lin Ye/ Supervisory Patent Examiner, Art Unit 2622